

INCH-POUND

MS27625A  
29 September 2000  
SUPERSEDING  
MS27625  
17 March 1971

## DETAIL SPECIFICATION SHEET

### WIRE, RETAINER

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-83296.

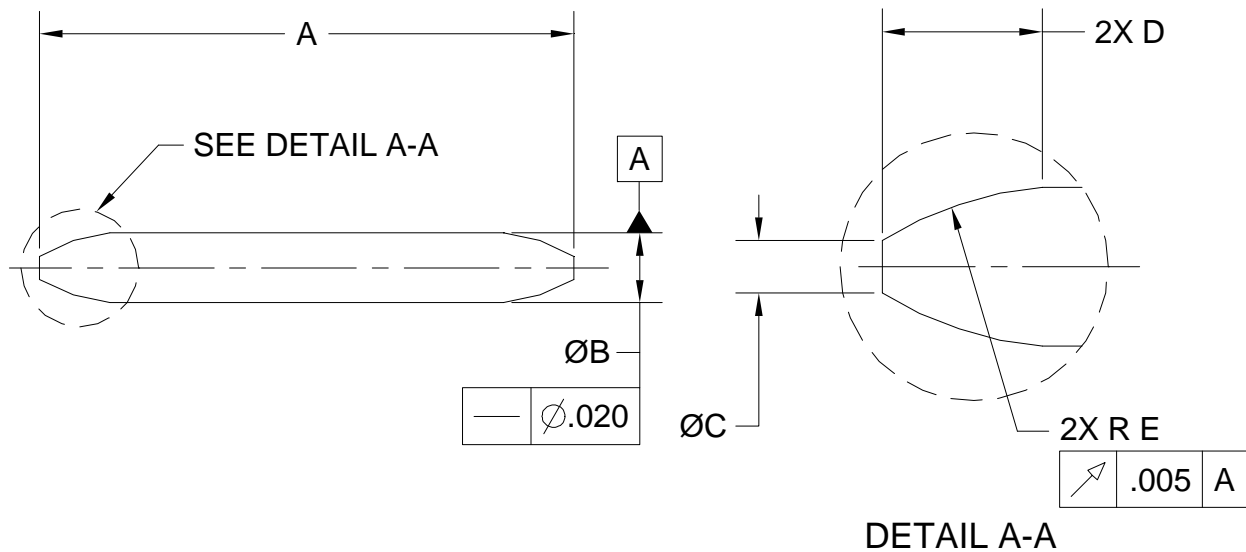


FIGURE 1. Retainer wire.

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TABLE I. Retainer wire dimensions.

Part number	A $\pm.015$	B +.000 -.004	C $\pm.010$	D $\pm.005$	E +.010 -.000
MS27625-4C	1.438	.080	.020	.073	.156
MS27625-6C	1.735	.095	.023	.087	.186
MS27625-8C	2.203	.095	.023	.087	.186
MS27625-10C	2.625	.125	.031	.115	.246

REQUIREMENTS:

1. Retainer wires shall be in accordance with figure 1 and table I.
2. Material shall be a corrosion resistant steel, class 304 per SAE AMS5639 or 305, condition A (accepted classes only), as specified in ASTM A580.
3. Finish shall be passivated as specified in MIL-DTL-83296.
4. Dry-film lubricant shall be in accordance with MIL-L-46010.
5. Radius or break all corners to .005  $\pm.005$ /.000, unless otherwise specified.
6. All burrs and slivers shall be removed.
7. Surface roughness, as specified in ASME B46.1, shall not exceed 125  $\mu$ in  $R_a$ .
8. All tolerances shall be  $\pm.005$ , unless otherwise specified.

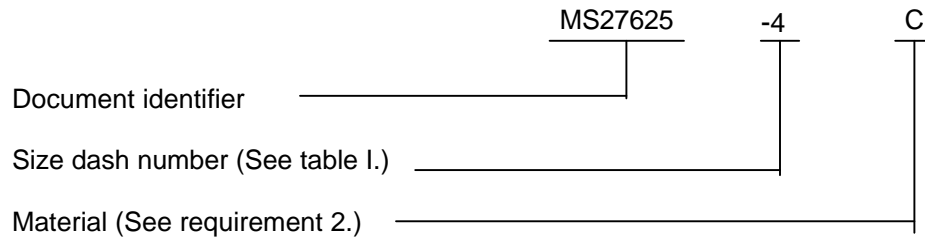
NOTES:

1. Dimensions are in inches, unless otherwise specified.
2. This part is for use with MIL-DTL-83298 hose.
3. This specification sheet takes precedence over documents referenced herein.
4. This is a design specification sheet for manufacturing purposes. The item is only procured as an integral part of an adapter assembly.
5. Referenced documents shall be of the issue listed in the issue of the Department of Defense Index of Specification and Standards (DoDISS) and supplement thereto, cited in the solicitation.
6. Dimensioning and tolerancing are in accordance with ASME Y14.5M-1994.

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7. Part or Identifying Number (PIN):

Example of a PIN: MS27625-4C.



8. Next assemblies are MS27620, MS27621, MS27633, and MS27634.

Custodians:

Air Force - 99  
Army - AV  
Navy - AS  
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-1040-020)

Review activities:

Air Force - 82  
Navy - MC, SA